

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	jp-2001067201-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 14:06
S2	2	jp-2002057901-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 14:09
S3	2	jp-06233062-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 14:11
S4	2	jp-02096464-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 14:16
S5	1	10/805184.app.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 15:10
S12	89	(controller near2 board) same controller same (arbiter judg\$4 moderator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 16:28
S13	7	(controller near2 board) same controller same (arbiter judg\$4 moderator) same external	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 16:28

S14	0	08/786112.app.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 16:40
S15	18	("4546390"   "4554960"   "4779135"   "4899212"   "5218432"   "5231500"   "5387928"   "5404883"   "5434593"   "5444482"   "5497193"   "5519826"   "5587928"   "5621429"   "5689641"   "5751348"   "5903315"   "5953046").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/20 16:43
S16	23	(controller near2 board) same controller same (arbiter judg\$4 moderator) same (external exterior outer outside peripheral)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 17:09
S17	1	((damage\$1 invalid incorrect) near2 pixel) same (detect\$3 discover\$4 catch\$3 find \$4 identif\$4 notic\$4 reveal\$4 see\$4 spot\$4 uncover\$3 unmask\$3) same (streak near2 image) same (sheet \$1through same feeder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/27 16:38
S18	1	((damage\$1 invalid incorrect) near2 pixel) same (detect\$3 discover\$4 catch\$3 find \$4 identif\$4 notic\$4 reveal\$4 see\$4 spot\$4 uncover\$3 unmask\$3) same (streak near2 image) same (feeder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/27 16:39

S19	2	((streak near2 image) ((corrupted damag\$3 error invalid) near3 line near3 image)) same (detect\$3 discover\$4 catch\$3 find \$4 identif\$4 notic\$4 reveal\$4 see spot\$4 uncover\$3 unmask\$3) same (sheet\$1through same feeder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/27 17:26
S20	2	((streak near2 image) ((error corrupted damage black) near2 fringe) ((corrupted damag\$3 error invalid) near3 line near3 image)) same (detect \$3 discover\$4 catch\$3 find\$4 identif\$4 notic \$4 reveal\$4 see spot\$4 uncover\$3 unmask\$3) same (sheet\$1through same feeder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/27 17:36
S21	9	((streak near2 image) ((error corrupted damage black) near2 fringe) ((corrupted damag\$3 error invalid) near3 line near3 image)) same (detect \$3 discover\$4 catch\$3 find\$4 identif\$4 notic \$4 reveal\$4 see spot\$4 uncover\$3 unmask\$3) same ( feeder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/27 17:39
S22	147435	MURAMATSU YOSHI HI RO	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/27 17:52
S23	33	(MURAMATSU near2 YOSHI HI RO).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/27 17:52
S24	1	(black near2 fringe) same detection same (warning alarm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/27 17:54

S25	2	((streak near2 image) (black near2 fringe) ((corrupted damag\$3 error invalid) near3 line near3 image)) same (detect\$3 discover\$4 catch\$3 find \$4 identif\$4 notic\$4 reveal\$4 see spot\$4 uncover\$3 unmask) same (sheet\$1through same feeder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/27 18:38
S26	2	"6792161".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/27 18:59
S27	2	"6823367".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/28 07:59
S28	3	"394328".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/29 16:46
S29	0	"394328".app.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/29 16:46
S30	2	"5727083".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/29 16:46
S31	2	"20030137701".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/24 16:21

S32	2	"20030197794".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 15:54
S33	29	(extension external) with ((external extencion control\$4) near3 board) with (arbit\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 15:58
S34	17	((extension external) with ((external extencion control\$4) near3 board) with (arbit\$4)) and (print\$4 scan\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 16:02
S35	2	"5881333".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 16:07
S36	0	"20020075527".app.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 17:07
S37	2	"20020075527".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 17:07
S38	2	"6628430".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/02 13:20
S39	2	"7092130".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/02 13:36

S40	2	"6278513".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/02 16:17
S41	2	"6278526".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/02 17:19
S42	3	"7312898".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 08:51
S43	1820	(blank empty) near5 (page paper) same detect\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 14:53
S44	55520	(page paper) with block	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 14:53
S45	228	S43 and S44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 14:53
S46	2	((blank empty) near5 (page paper) same detect\$3) with (divid\$4 near5 block)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 14:54
S47	38	((blank empty) near5 (page paper) same detect\$3) with (block)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 14:54

S48	1	((blank empty) near5 (page paper) same detect\$3) with (block) and ((invalid innacurate abnormal) same pixel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 14:56
S49	1	((blank empty) near5 (page paper) same detect\$3) with (block) with ((invalid innacurate abnormal) same pixel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 14:56
S50	38	((blank empty) near5 (page paper) same detect\$3) with (block)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 14:56
S51	1300808	predict\$4 q?	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 15:06
S52	396	(detect\$4 find\$4 encount\$3) same ((invalid abnormal inaccurate) near3 pixel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 15:07
S53	24	(detect\$4 find\$4 encount\$3) same ((invalid abnormal inaccurate) near3 pixel) same (width)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 15:08
S54	16	(detect\$4 find\$4 encount\$3) same ((invalid abnormal inaccurate) near3 pixel) same (width and number)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 15:08
S55	2	"6792161".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 16:32

S56	103	detect\$4 same total same ((invalid damage abnormal error\$3 inaccurate) near5 pixel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 18:25
S57	7	(detect\$4 same total same ((invalid damage abnormal error\$3 inaccurate) near5 pixel) same block) and (calculat\$4 same sum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 18:26
S58	2	jp-2000196881-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 18:28
S59	15	(detect\$4 same total same ((invalid damage abnormal error\$3 inaccurate) near5 pixel) same block)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 18:30
S60	114	block with ((invalid abnormal inaccurate) near3 pixel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 18:33
S61	2	block with ((invalid abnormal inaccurate) near3 pixel) with sum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 18:34
S62	65	block with ((invalid abnormal inaccurate) near3 pixel) and sum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 18:35
S63	12	(detect\$4 same ((invalid abnormal) same pixel)) and (((invalid abnormal) same pixel) same block) and (((invalid abnormal) same pixel) same sum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 18:52



S64	0	(detect\$4 same ((invalid abnormal) near2 pixel)) and (((invalid abnormal) near2 pixel) same (plural\$4 near2 block)) and (((invalid abnormal) near2 pixel) same sum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 19:08
S65	0	(detect\$4 same ((invalid abnormal) near2 pixel)) and (((invalid abnormal) near2 pixel) same (plural\$4 near2 block))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 19:08
S66	312	(detect\$4 same ((invalid abnormal) near2 pixel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 19:08
S67	2	(plural\$4 near3 block) with (detect\$4 same ((invalid abnormal) near2 pixel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 19:08
S68	2	(plural\$4 near3 block) with (detect\$4 same ((invalid abnormal) near2 pixel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 19:09
S69	2	(plural\$4 near3 block) same (detect\$4 same ((invalid abnormal) near2 pixel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 19:10
S70	20	(plural\$4 near3 block) and (detect\$4 same ((invalid abnormal) near2 pixel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 19:10
S71	2	"6211967".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 19:34

S72	2	"20010050778".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 19:36
S73	2	"20020036643".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 19:37
S74	2	"20020126313".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 19:37
S75	2	"20030090742".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 19:38
S76	2	jp-11112800-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 19:39
S77	497	((invalid abnormal) with detect\$3 with pixel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 20:37
S78	247	((invalid abnormal) near2 pixel) with detect \$3 with pixel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 20:37
S79	247	((invalid abnormal) near2 pixel) with detect \$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 20:37

S80	7	((invalid abnormal) near2 pixel) with detect \$3 with repeat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 20:37
S81	247	((invalid abnormal) near2 pixel) with detect \$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 20:43
S82	0	((invalid abnormal) near2 pixel) with detect \$3 with predict	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 20:45
S83	0	((invalid abnormal) near2 pixel) with predict	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 20:45
S84	0	predict\$4 with (strek near3 image)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 20:49
S85	13	predict\$4 with (streak near3 image)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 20:49
S86	1	predict\$4 with (streak near3 image) and ((invalid abnormal) near5 pixel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 20:49
S87	11	invalid with pixel\$1 with predict\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 20:57

S88	2	((blank empty) near3 page) with detect\$4 with block with pixel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/04 13:38
S89	4	"5548664"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/04 14:37
S90	2	"5548664".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/04 14:38
S91	2	jp-2000196881-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/04 15:39
S92	2	"6974269".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 17:03
S93	2	"5727135".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 17:04
S94	2	"5559933".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 17:05
S95	2	"6498656".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 17:07

S96	2	"6025925".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 17:21
S97	2	"20030136851".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/12 17:31

### EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	((extension near4 control near4 function) same plural \$4 same (controller near4 board) same arbiter ).ti.	US-PGPUB; USPAT; UPAD	OR	ON	2010/02/12 21:16
L2	0	((extension near4 control near4 function) same plural \$4 same (controller near4 board) same arbiter ).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/02/12 21:16
L3	1	image same (extension near4 function) same controll\$3 same board.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/02/12 21:18
L4	63	Namizuka.in.	US-PGPUB; USPAT; UPAD	OR	ON	2010/02/12 21:20
L5	0	(Namizuka.in.) and ("extension.clm")	US-PGPUB; USPAT; UPAD	OR	ON	2010/02/12 21:21
L6	2	(Namizuka.in.) and (extension.clm.)	US-PGPUB; USPAT; UPAD	OR	ON	2010/02/12 21:22
L7	0	((extension same control same function) same plural \$4 same (controller same board) same arbiter ).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/02/12 22:25
L9	53333	"358"/\$.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/02/12 22:26
L10	6	(controll\$4 same extension same board same function).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/02/12 22:27

L11	1	9 and 10	US-PGPUB; USPAT; UPAD	OR	ON	2010/02/12 22:27
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**2/ 12/ 2010 10:28:56 PM**

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